

Karl Daubmann, AIA, FAAR

Curriculum Vitae 03/2019

Education

Master of Science in Architectural Studies (SMArchS)

Concentration in Design + Computation

Massachusetts Institute of Technology 1999

Bachelor of Architecture (BArch)

Roger Williams University 1995

Professional Licensure & Organizations

Registered Architect Michigan

2004 - present

NCARB Certificate (National Council of Architectural Registration Boards)

2004 - present

Member American Institute of Architects

2012 - present

Academic Appointments

Lawrence Technological University

College of Architecture and Design

Dean and Full Professor with Tenure

July 2016 - present

University of Michigan

Taubman College of Architecture + Urban Planning

Full Professor of Architecture with Tenure

with a courtesy appointment in the Penny Stamps School of Art + Design

Sept 2015 - June 2016

Associate Dean for Post-Professional Degrees and Technology Engagement

July 2015 - June 2016

Director, Masters of Science in Architecture Degrees

Offering concentrations in Digital Technologies, Material Systems, Conservation, and Design Health

July 2014 - July 2015

Associate Professor of Architecture with Tenure

with a courtesy appointment in the Penny Stamps School of Art + Design

2008 - 2015

Assistant Professor of Practice in Architecture

2002 - 2008

Lecturer in Architecture

2000 - 2002

Willard A. Oberdick Teaching Fellow

1999

Boston Architectural College

Adjunct Instructor 1996 - 1999

Undergraduate Design Studios + Thesis Preparation Seminar

Visiting Academic Appointments

Hideo Sasaki Distinguished Visiting Critic

Boston Architectural College 2013

Visiting Professor - Master Critic Series

University of Cincinnati 2007

Tutor - Concrete Master Class

Consortium of European Cement Industry Member

three person team lead week long material workshop at the Berlage Institute 2004

Visiting Instructor

Roger Williams University 2002

Co-taught three week studio segment in Prague, Brno + Vienna on urban housing models

Professional Experience

Founder & Director

DAUB (design, architecture, urbanism, building): Ann Arbor, MI www.daub-lab.com

2012 to present

Organized as an experimental design studio to explore innovative digital technologies in design.

Partner

R+D LAB: Ann Arbor, MI www.rndlab.net

Partnership with John Marshall + Cezanne Charles

2014 to 2016

Multidisciplinary design studio investigating issues of technology, design, and society.

Consultant

BLU Homes: Vallejo, CA

2014 to 2015

Vice President of Design

BLU Homes: Ann Arbor, MI 2012 - 2013 www.bluhomes.com

Lead team of 60 designers, engineers, and others to create and implement all aspects of design.

Creative Director

BLU Homes: Waltham, MA 2010 - 2013

Responsible for product development of all homes and accessories.

Partner / Principal

PLY Architecture: Ann Arbor, MI www.plyarch.com

Partnership with Craig Borum 2001 - 2012

Principal in full service architecture practice with expertise in construction and design / build.

Collaborator

PLY Architecture: Ann Arbor, MI 1999 - 2001

Researcher

Smart Materials Group, Ove Arup R+D: London, England 1998

Intern Architect

Amsler Woodhouse MacLean Architects: Boston, MA 1997

Paul Lukez Architecture: Somerville, MA 1996 - 1997

Amsler Woodhouse MacLean Architects: Boston, MA 1996 - 1996

EGA Architects: Newburyport, MA 1995 - 1996

Greg Laramie, Architect: Foster, RI 1993 - 1994

Advisory Boards

ACE Mentorship Michigan - Board of Directors

2018 to present

AIA Michigan Board of Directors

Education Director

2017 to present (serving second 2 year term)

Design Center in a Box - Advisory Board Member

2018

Vayu Advisory Board

Design advice to startup developing flying robots to deliver medicine in rural areas of emerging markets.

2014 to present

Blu Homes Advisory Board

Design and architectural advice to modern, green, prefab housing manufacturer.

2014 to present

Residencies

American Academy in Rome - Sept 2015 to July 2016

Rules for Tools - tectonic and technology overlap between Borromini and Nervi

Wendover Residence Program

The Center for Land Use Interpretation's Wendover Airbase is situated in 3.5 million acres of desert, including the Great Salt Lake, Utah. Residency to conduct tests for a new project. 2013

Ermanno Piano Fellowship - Renzo Piano Building Workshop: Genova, Italy 1996

Honors + Awards for Design Work

AIA Michigan Honor Award 2016

Rules of the Road - DAUB and rooftopwo

AIA Michigan Honor Award 2016

Aka Sushi - DAUB and Synecdoche Design

Founder's Rome Prize 2015

Fellow at the American Academy in Rome

Architizer A+ Awards 2013

Honorable Mention for Architecture + Fabrication

Sunset Breezhouse

Gold Nugget Award for Best Net Zero Energy Homes 2013

Pacific Coast Builders Conference

Blu Homes

Builder's Choice & Custom Home Design Award 2013

Merit Award for Costa Residence

Professional Builder Design Awards 2012

Bronze Award for Green Homes for Cooper Residence

Metalmag Architectural Award 2012

Residential Honorable Mention for Haney Studios

59th Annual P/A Awards Architect Magazine 2012

Citation for Outside in House

AR+D Award for Emerging Architecture 2011

Architectural Review

Highly Commended for Shadow Pavilion

Metalmag Interior Architecture Award 2011
Interior Award for Ayaka Sushi

AIA Michigan Honor Award 2011
Ayaka Sushi

R&D Award 2010 - Architect Magazine
Shadow Pavilion

AIA National Small Project Honor Award 2010
Shadow Pavilion

AIA Michigan Honor Award 2010
Shadow Pavilion

AIA Michigan Honor Award 2010
Park House

"One of the world's 101 most interesting new architects"
Wallpaper* Magazine 2007

Young Architects Award 2006
Architectural League of New York

AIA Michigan Honor Award 2006
OMI Sushi

AIA Michigan Honor Award 2005
Mies van der Rohe Plaza

AIA Michigan Honor Award 2005
Big Ten Burrito

Wood Design Honor Award 2004
Wood Design & Building Magazine
Big Ten Burrito

Huron Valley Chapter AIA Honor Award 2004
H/K House

Design Distinction: Environments Category 2004
ID Magazine
Plywood Sunscreen

Faculty Design Award 2002
Assoc. of Collegiate Schools of Arch
Chicago Public School

Young Alumni Achievement Award 2001
Roger Williams University

BSA Un-built Architecture 2001
Boston Society of Architects
Prototype Church for the Midwest

BSA Un-built Architecture Honorable Mention 2001
Boston Society of Architects
Chicago Public Schools

SMArchS Graduate Thesis Prize at MIT 1999

MIT Goody Prize for thesis proposal 1999

Design Competition Awards

Finalist resulting in Commissioned Project 2015

Midtown Viaducts Public Art and Light Project for Resonance in Detroit, MI

Finalist resulting in Commissioned / Built Project 2012

Dlectricity nighttime illumination festival construction of temporary public art MeNotMe

Merit Prize 2011

46th Annual Central Glass International Competition for Glass Pavilion

First Prize Urban Design Category 2007

XV Quito Pan-American Biennale for Mies van der Rohe Plaza

Second Place 2005

Robbins Elementary School National Design Competition

First Prize resulting in project construction 2004

Mies van der Rohe Plaza Memorial Competition - with PEG Office of Landscape and Architecture

First Prize Invited Competition 2002

House: Case Study Cleveland

Finalist 2001

Chicago Public Schools National Design Competition
with Borum, Hyde and Roddier

First Prize - Construction Specification Institute 1998

Student Detailing Competition with Nico Kienzl

First Prize - Bridging / A Place for Architecture 1997

with Joshua Keay

Book Citations: Design Work

Bleeker, Julian (ed.) **TBD Catalog**: Near Future Laboratory. (Member of editorial and conceptual team)

Robbins, Mark. "Chicago Public Schools." *New Public Works*. (Princeton Architectural Press, New York, 2013.) p. 80-85.

Czerniak, Julia. **Formerly Urban: Projecting Rust Belt Futures**. (Princeton Architectural Press, New York, 2013.) p. 158.

Contemporary Follies. Moskow & Linn. (The Monacelli Press, 2012) p 132-137.

Aubert, Danielle. **Thanks for the View, Mr. Mies**: Lafayette Park, Detroit. New York, NY: Metropolis Books. p.173.

Prefabulous + Almost Off the Grid. Koones, Sheri. (Abrams, New York, 2012) p100-105.

Mi Young, Pyo (ed.) **Architectural Diagrams**. Berlin: DOM Publishers, 2010.

"Teahouse for Robots," in **Trouble in Paradise: Medi(t)ation of Survival Workbook**, Exhibit Catalogue, National Museum of Modern Art, Kyoto Japan. Maari Ikezawa, Shinji Kohmoto, Chinatsu Makiguchi, Ellie Nagata editors. 2010

Mi Young, Pyo (ed.) **Advanced Interior Design**. 1st. Seoul: Damdi Publishers, 2009.

1000x Architects of the Americas, Michelle Galindo editor, Braun Publishers, 2009, p. 134.

Mi Young, Pyo (ed.) **Advanced Public Design**. 1st. Seoul: Damdi Publishers, 2009. p.694 - 697

Eat!: Best Restaurant Design. Annika Schulz, ed., Braun Publishers, 2009, p. 294-303.

Engelhorn, Beate (ed.) **Young Americans: New Architecture in the USA**. 1st. Frankfurt am Main: DOM Publishers, 2007. p. 252 - 263

Architectural League of New York, **Young Architects 8: Instability**. 1st. New York: Princeton Architectural Press, 2007. (pp. 98 - 123)

Future Wood, Innovation in Building Design + Manufacturing - Ed. Neumann & Beesley

Kottas, Dimitris. Urban Spaces: Squares & Plazas. 1st. Barcelona: Links, 2007. p. 144 - 151

The Perfect \$100,000 House: A Trip Across America and Back in Pursuit of a Place to Call Home. Karrie Jacobs. (New York: Viking Press) p. 54-58.

Klijn, Olv. "A Joint Practice: Interview with Karl Daubmann." Concrete Design Book on Robustness. Bakker, Siebe (ed.). 's-Hertogenbosch: ENCI Media, 2004. p. 81 - 85

Periodical Citations: Design Work

Keith, Kelsey. "Blu Homes To Unveil First Prefab Home Model in Los Angeles." **Dwell Magazine**. June 2013.

Keith, Kelsey. "Blu-Print for Success". **Dwell Magazine**. December 2013.

Grant, Rachel. "Architecture: Factory-built prefabs get the homemade touch". **Financial Times: House & Home**. November 2013.

Lake, Courtney. "Making Prefab Fabulous by the Truckload". **California Home + Design**. October 2013. [Shaw Residence]

Dumaine, Brian. "House that Flips and Folds into Place." **Fortune Magazine**. June 2013.

Woody, Tod. "Blu Homes' Apple Approach to Building Green Prefab Homes". **Forbes Magazine**. September 2012.

Woody, Todd. "Bold Construction." **Forbes Magazine**. August 2011.

Ost, Sara. "Touring the Breezhouse by Blu Homes." **Dwell Magazine**. December 2012.

"100 Brilliant Companies". **Entrepreneur Magazine**. May 2012.

Schoech, Samantha. "Out of the Box". **Sunset Magazine**. October 2012: 48-54.

Nakano, Craig. "A Vision of His Own: Prefab-ulous Homes that are also Affordable". **The Los Angeles Times**. Sept 8, 2012.

Brennan, Morgan. "Off-The-Grid Mansions." **Forbes Magazine**. November 2012.

Scinto, Monica. "Haney Studios". **Metal Magazine**. July 2012.

"Cassetten." **Architectenweb Magazine**. April 2012. [Shadow Pavilion]

Chou, Ann. "You're Invited: Blu Homes Open House in Joshua Tree." **California Home + Design**. September 2012.

"Shadow Pavilion" **Architectural Review** December 2011: 96-97.

Grotewold, Sabrina. "Aluminum Goes Aquatic." **Metal Magazine** September 2011.

"Blu's Unfolding Prefab". **Dwell Magazine**. November 2012***.

Weber, Cheryl. "Sum of Its Parts." **Builder Online**. September 2011.

"Nature Construite," **AMC, Le Moniteur** (France), no. 205, April 2011, p.111.

"Shadow Pavilion". **Monitor Magazine** July 2010: 80-81.

Mays, Vernon. "Shadow Pavilion." **Architect Magazine** August 2010: 70-73.

Schneider, Jim. "Shadow Pavilion." **Metal Magazine** November 2010.

"Shadow Pavilion". **Interior Design Magazine** January 2010.

"Shadow Pavilion." **Plan Magazine** (Ireland) Sept / Oct 2010: pg 46.

"Mies van der Rohe Plaza". **Landscape World No. 33**; June 2010: 80-85.

Lunch, Vol. 4: Margin, University of Virginia Journal of Landscape and Architecture, p.60-77.

"101 of the World's Most Exciting New Architects". **Wallpaper*** International Design Directory August 2007.

Maas, Anna Martin. "Integrating the New with the Old." **Competitions** Winter 2006/7: 34 - 43.

Milshtein, Amy. "Fresh Approach." **Contract** July 2006: 40 - 41, 58 - 63.

Ayub, Zulaikha, and Christi Cole. "Interview: Karl Daubmann." **Material Matters: The Catholic University of America** 12 - 15.

"Material World: Ecological Pavers." **Azure** July/August 2006: 106.

Catalog of the Quito Architecture Biennale. Diego Lozada, Alioska Guayasamin, Ana Duran, editors, Colegio de Arquitectos del Ecuador, 2006, p. 78-81.

Cameron, Leah. "It's a Wrap." **Azure** May 2006: 38.

Griffith, Don (ed). **The Wood Design Awards 2004.** 1st. Halifax: Tuns Press, 2004. (Cover & pp. 8 - 15).

Taggart, Jim. "Cutting Edge." **Canadian Architect** May 2005: 26 - 30.

Drueding, Meghan. "In Salsa Veritas." **Residential Architect** April 2005: 96 - 97.

Joch, Alan, and Snoonian, P.E., Deborah. "Design Embraces the Machine Age." **Architectural Record INNOVATION** November 2005: 31 - 35.

Velazquez, Alicia. "Mies van der Rohe Plaza." **A+T In Common II - Collective Spaces** Autumn 2005: 56 - 63.

Klara, Robert. "Order in the Court." **Architecture Magazine** September 2005: 70.

"Honor Awards", **Wood Design & Building Magazine**, September 2004

"Honor Awards", **Wood Le Bois Magazine**, (Canada) September 2004

Codrington, Andrea. "Environments." **ID, the International Design Magazine** Annual Design Review 2004 July / August 2004: 128.

Place, Jean-Michel (ed). "Case Study House, Cleveland." **L'architecture d'aujourd'hui** July / August 2004: 60 - 63.

Benfer, Matthew, Amelia Nelson, and Mike Stofiel. "Case Study House." **OZ: Kansas State Journal of Architecture** 2003: 56 - 59.

Sokol, David. "Casing the Joint." **Metropolis** October 2002: 46 - 47. - [Case Study House]

Lerner, Kevin. "Ply Architecture: Four's Company." **Architectural Record** August 2002: 49 - 50.

Channing, Susan R. (ed.) **House: Case Study Cleveland.** Exhibition Catalog 1. Cleveland: S.P. Mount Printing, 2002.

Sharp, Robert V. (ed). **Architecture for Education: New School Designs from the Chicago Competition.** 1st. Singapore: Tien Wah Press, 2002.

Doctors, Jennifer (ed.) "School Grounds." **Architecture in Communication Proceedings.** Washington DC: ACSA Press, 2002. p. 148 - 149

Collyer, Stanley. "An Elementary School Paradigm? A New Approach for Chicago Public Schools." **Competitions** Summer 2001: 14 - 23.

Batiboi, Hormuz (ed.) "Sacred Ground." **Paradoxes of Progress Proceedings.** Washington DC: ACSA Press, 2001. p. 280 - 281

Padjen, Elizabeth(ed). "BSA Unbuilt Architecture Awards." **ArchitectureBoston** 4(2001): 68.

"Sacred Ground." **Thresholds** 1(2000): 35 - 37. (Peer Reviewed)

On-line Citations: Design Work

Rhodes, Margaret. "A Company That Let's You Custom-Design Your Dream Home Online". **Wired Magazine.** February 2015. <http://www.wired.com/2015/02/company-lets-custom-design-dream-home-online/>

Hickman, Matt. "With Latest Design, Blu Home does Modern Green Prefab Wright." **Mother Nature Network.** February 2014. <http://www.mnn.com/your-home/remodeling-design/blogs/with-latest-design-blu-homes-does-modern-green-prefab-wright>

Elias, Angela. "Inside One of the Country's Most Luxurious Prefabs." **CasaSugar.** Blog Post. May 2014 <http://www.casasugar.com/Blu-Homes-Tour-Mare-Island-34721120#opening-slide>

Podcast Interview April 12 on **Entrepreneur Architect** "Selling Architecture as a Product" <http://www.entearchitect.com/2013/04/12/episode4/>

Maynard, Nigel. "8 Prefab Homes that Blend Creativity and Sustainability". **Builder**. August 29, 2012. <http://www.builderonline.com/modular-building>

Sichelman, Lew. "Software lets new-home buyers build dream house on a computer". **LA Times**. August 6, 2012. <http://articles.latimes.com/2012/aug/06/business/la-fi-lew-20120805>

Lubell, Sam. "Visit a Prefab in the Mojave Desert." **Architect's Newspaper Blog Post**. 07 September 2012. <http://blog.archpaper.com/wordpress/archives/45566#.U87CfvldWSp>

Pullen, John Patrick. "100 Brilliant Companies." **Entrepreneur Magazine**. May 2012. <http://www.entrepreneur.com/article/223611>

Alter, Lloyd. "Has Blue Homes 'Solved the Problem of Modern Prefab'?" **Treehugger**. Blog Post. August 29, 2011. <http://www.treehugger.com/modular-design/has-blu-homes-solved-the-problem-of-modern-prefab.html>

"The TOH Top 100: Best New Home Products 2011." **This Old House Magazine**. 2011. http://www.thisoldhouse.com/toh/photos/0,,20538297_21069835,00.html

"Dezeen's Top Ten: Robots". **Dezeen Magazine Blog Post**. 31 July 2010. (8th most read story about robots) <http://www.dezeen.com/2010/07/31/dezeens-top-ten-robots/>

"Tea House for Robots". **Dezeen Magazine Blog Post**. 13 July 2010. <http://www.dezeen.com/2010/07/13/tea-house-for-robots-by-rootoftwo-and-ply-architecture/>

Dwell Magazine Blog, <http://www.dwell.com/blogs/>

Blog as author

www.ParaMod.net

Blog that hosts both projects and software tutorials dedicated to digital design and parametric thinking. Site has hosted more than 130,000 unique visitors since 2008.

Publications / Proceedings as Author

Daubmann, Karl and Jacobi, Lauren. "From String to Volume". **Finding San Carlino**. forthcoming book chapter

Daubmann, Karl. "Interplay of Design, Technology, Manufacturing, and Business". **Mass Customization and Design Democratization**. Routledge 2019. book chapter.

Daubmann, Karl. "Cosmogonic Technologies". **Jim Cogswell - Cosmogonic Tattoos (Exhibition Catalog)**. University of Michigan Museum of Art 2017. pp. 30-33. book chapter

Daubmann, Karl. "Driven By Technology". **CAM Magazine - Construction Association of Michigan**. September 2017.

Daubmann, Karl; Foley, Ric; Reed Qetuwrah; Zhang, Zhujing. "RoboPinch - Robotic Manipulation of Fabric Formwork for the Creation of Plaster Architectural Models". **Proceedings from the International Society of Flexible Formwork**. Amsterdam 2015. (peer reviewed)

Daubmann, Karl and Reed, Qetuwrah. "Rules of the Road: Connecting Cities to Underutilized Freeway Infrastructure Zones through Parametric Urbanism". **Proceedings from the AIA / ACSA Intersections Conference**. Atlanta 2015. (peer reviewed)

Marshall, Shtein, Daubmann. "SmartSurfaces: a hands-on, multidisciplinary think-tank". Published in **Performative Practices: Architecture and Engineering in the 21st Century**, Moe, & Braham (eds). Washington, DC 2011: ACSA Press. pp. 34-43.

Daubmann, Karl. "Tailors After Taylorism". **Future Wood - Innovation in Building Design + Manufacturing**. ed. O. Neumann, P. Beesley, Canadian Design Research Network CDRN, Riverside Architectural Press, Cambridge Ont. 2007 pp. 94 - 101 (invited)

Daubmann, Karl. "Teaching Digital Fabrication through Design". **Fabrication: Examining the Digital Practice of Architecture**. ed. Beesley, Cheng, Williamson, pp. 244 - 255 Toronto: Coach House Press, 2004. (peer reviewed)

Daubmann, Karl. "Math, Means & Material". **Evolving Tools: Digital Fabrication in Architectural Education**. ed. Aron Temkin, pp. 19 - 20 Toronto: Coach House Press, 2004. (invited)

Malkawi, Ali and Daubmann, Karl. "Integrating Sensor and Computational Modeling for Energy and Light." **Proceedings of the 2nd EAAE-ARCC conference on Architecture Research** (peer reviewed)

Sheehan, Tony; Friend, Clifford; Daubmann, Karl. "Smart materials in construction: performance gains and barriers to commercial exploitation." **Proceedings SPIE Vol. 4073 Fifth European Conference on Smart Structures and Materials**. (2000). pp 98 - 103 (peer reviewed)

Daubmann, Karl and Tony Sheehan. "Comprehensive Visualization for Architectural Material Selection." **Smart Graphics: Papers from the 2000 American Association of Artificial Intelligence Spring Symposium**. Menlo Park, CA: AAAI Press, 2000. pp 34 - 38 (peer reviewed)

Lectures + Conferences

"Design Leadership" AIA Tulsa Leadership Symposium May 2018

"Borrow, Hack, and Ship" Presentation to OAA Conference in Toronto May 2018 with Shall and Stevens

"Prefab Housing Leveraging Technology" at Digital Building Lab Annual Symposium Georgia Tech October 2017

"Hand to Mouth" **Body, Object Enclosure Symposium** at Ryerson School of Interior Design October 2017

"BLU Homes - Design, Technology, Manufacturing, and Business" **International Symposium on Mass Customization and Design Democratization** Penn State May 2017

"Bitten by Borromini" **LTU College of Architecture and Design** Spring Lecture Series March 2017

"Rules of the Road" **Michigan AIA Design Retreat** October 2016

"ShopDrawing" **American Academy in Rome** Shop Talk Series March 2016

"Processing Borromini" **International Studies Institute Florence** March 2016

"What would Borromini do with Robots?" **Univ. of Washington Rome Center** November 2015

"Some Assembly required" **AIA Cincinnati Vision** - Keynote lecture and one day workshop on Innovative Project Delivery and the Impact on Practice Models - May 2015

"Rules of the Road" - **Intersections Between the Academy and Practice** - National AIA Conf. Atlanta - May 2015

"Residential Prefabrication" Prefab Session at **AIA National Convention** Denver, CO 2013

"When How Becomes What" - **Boston Architectural College** - Sasaki Public Lecture 2013

"A Passion for Prefab" - **Dwell on Design** - Los Angeles w/ Bill Haney and Kelsey Keith 2013

"Efficient Excess" - Keynote: **AIA Colorado Practice and Design Conference** 2012

"Efficiencies" - **University of Colorado Boulder** - College Lecture Series 2012

"Excess Efficiencies" - **Roger Williams University** - College Lecture Series 2011

"Edgy Practices: Creatives Making Their Mark" - **Rust Belt to Artist Belt Conference**, Detroit 2011

"Shadow Pavilion" - **Architect Magazine R&D Symposium** 2010

"Building Practice" - **Hatch Festival Architecture Keynote Address** - Asheville, NC 2010

"Recent Work" Integrated Practices Hearst Lectures - **CalPoly** 2009

"recent Work" **Centro de Arquitectura y Diseno** in Rosario, Argentina

"Recent Work" **University of Buffalo** 2008

Keynote Address - **AIA Florida's Emerging Professionals Conference** - Sarasota, FL 2008

"Slow Architecture" **University of Cincinnati** 2007

"Ornament and Technology" Seminar Presentation - **Yale University** 2007

Moderator - **Future Wood, Innovation in Building Design + Manufacturing** University of British Columbia 2007

"Surface Strategies" **Bolzano Architect's Foundation**, Italy 2007

"Material Matters" **Catholic University of America** - Summer Institute 2006

"Material Alchemy" Young Architects Forum - **Architectural League of New York** 2006

"Digital Material" **Clemson University** 2006

"Building Practice Symposium" **University of Illinois at Urbana-Champaign** 2006

Mies Plaza + BTB Interior **Michigan AIA Design Retreat** 2005
"Fabricated Robustness" **Berlage Institute**, Rotterdam 2005
"Extremely Subtle" **University of Cincinnati** 2004
"Means, Material and Math" **Indiana AIA Year End Dinner** 2004
"Numeric Instructions for Construction" - **ACSA National Conference** Miami, FL Presented work from the 2003 Wallenberg Studio 2004
"Thick Skins - Extending the Threshold" - **ACSA Technology Conference** Austin, TX Presented work from graduate design option studios 2001
"Dynamic-hybrids and Their Role in the Post-Fordist City" **ACSA National Conference** - Los Angeles, CA 2000

Invited Exhibitions

"Body, Object, Enclosure" **Design Exchange** Toronto October 2017
"Bitten by Borromini" Cinque Mostre - Across the Board **American Academy in Rome** February 2016
"RoboPinch" ACADIA Peer Reviewed Project Exhibit **University of Cincinnati** October 2015
"Research through Making" College of Architecture Gallery **Taubman College** 2015
"Research on the City" College of Architecture Gallery **Taubman College** 2014
"Research through Making" College of Architecture Gallery **Taubman College** 2014
Hideo Sasaki Distinguished Visiting Critic Exhibit - **Boston Architectural College** 2013
archiCULTURAL Exhibition for **Detroit Design Festival** 2012
AR+D Exhibit - RIBA London [Shadow Pavilion] 2012
National Museum of Modern Art Kyoto, Japan - "Trouble in Paradise / Medi(t)ation of Survival" [Tea House for Robots] 2011
"Research through Making" College of Architecture Gallery **Taubman College** 2010
Scottsdale Museum of Contemporary Art, October - January [Flip a Strip Competition] 2009
"et dukkehjem," **Museum of the City** of Skopje, Macedoni Group Exhibition (a version of the PLY_lights collaboration with rootoftwo) 2009
"ApARTment," **Museum of Contemporary Art** Detroit [PLY_lights] 2008
"Young Americans" **Architecture Museum**, Frankfurt 2007
"Hautegreen: Sustainable Design for the Home" **Flatiron Bldg**, NY [PLY lights] 2007
"Ecospectives" **Gallery of Functional Art**, Los Angeles [PLY Lights] 2007
"Future Wood, Innovation in Building Design + Manufacturing" **UBC Vancouver** [Choice Dental] 2007
"Young Architects Exhibit" **Architectural League of New York** 2007
"New Schools" **Cornell University** [Robbins Elementary School Competition Proposal] 2006
"Building Practice" **University of Illinois at Urbana-Champaign** 2006
"Fabrications Exhibition" **ACADIA National Conference** [Big Ten Burrito] 2006
"Speculative Chicago - A Compendium of Architectural Innovation" **Gallery 400 UIC** [Chicago Public School Competition Proposal] 2004
"Critical Mass" **Museum of New Art** - Detroit, MI [Case Study House] 2003
Case Study Houses - **University of Toronto** [Case Study House] 2003
"House: Case Study Cleveland," **SPACES Gallery**, Cleveland, Ohio 2002
"Chicago Public School Competition Finalists" **Chicago Architectural Foundation** 2001
"BuildBoston" **Architect's Building**, Boston [Midwest Prototype Church] 2001

"Fellows Work" College of Architecture Gallery **University of Michigan** 2000

"Adaptive Technologies and Smart Materials" **Architectural Association Gallery**, London 1998

"Finalists for CSI Detailing Competition" **City Hall Plaza** Boston 1998

"Bridging Montreal Competition" **Festival of Architecture**, Hangar 7, Old Port of Montreal 1997

"Bridging Montreal Competition" **Ruelle des Fortifications** in Old Montreal 1997

Funded Research

University of Michigan **Office of Research**: Faculty Grants Program (\$15,000) [Rules of the Road: Detroit] 2014

Research through Making - TCAUP Faculty Grant (\$20,000) [RoboPinch, Pull, Push] 2014

Research on the City - TCAUP Faculty Grant (\$20,000) [Rules of the Road]
with: John Marshall and Cezanne Charles 2014

Research-through-Making - TCAUP Faculty Grant (\$20,000) [City of Night] with: Catie Newell and Osman Kahn. 2013

Research-through-Making - TCAUP Faculty Grant (\$20,000) [In Search of the (w)hole] 2009

University of Michigan **Office of the Vice President for Research**: Funds for Research and Scholarship. "Variable, Adaptable, Reflexive and Responsive." Collaborator with John Marshall as PI (\$20,000) [Teahouse for Robots] 2009

University of Michigan - **Multidisciplinary Learning and Team Teaching Initiative** (\$81,000) 2009

Parametric Modeling Faculty Training - Coauthored with Neil Thelen (\$10,000) Faculty Development Grant - **UM Center for Research on Learning and Teaching** 2007

University of Michigan Technology Grant (\$24,000) **Center for Advanced Research and Academic Technologies**
Development of constructional prototypes for generic complex geometry. 2002

"Digitizing the Lab" **Taubman College Technology Integration Grant** (\$8,000) The grant supported a graduate design studio exploring the relationship between digital and physical artifacts through the use of a Microscribe digitizer. 2001

"Simulation Studio Support" **Taubman College Technology Integration Grant** (\$9,000) The funding provided software support and external expertise for a graduate options studio. The studio explored Computational Fluid Dynamics simulation during the design to look at airflow and ventilation. Three Integration Workshops included guest expert consultants. 2000

"Data Synthesis - A Comprehensive Visual Approach to Material Selection" (\$10,000) **MIT Goody Prize** to support graduate thesis research. 1999

"Simulation Integration" **EDCO Grant** Sponsored by Boston Architectural Center (\$5,000). 1998

Invited Design Studio Juries

Ball State, University of Washington, Temple University, UC Berkeley, University of Detroit Mercy, Ohio State University, Roger Williams University, Northeastern University, Lawrence Technological University, University of Cincinnati, SCI_Arc

Invited Competition Juror

AIA Florida's Emerging Professionals Conference Design Competition Jury - Sarasota, FL 2007

Denver Young Architects Forum - Jury for Bike Shelter Competition 2006

Competition Juror, **ICMA Competition**: Ball State University 2004

Teaching - Coordination and Multidisciplinary

Coordinator Masters of Science in Digital Technologies 2011-2013

Coordinator Graduate Comprehensive Studios 2010

Coordinator UG3 Design Studio 2010

SmartSurfaces with Materials Science, Art & Design, Architecture 2009-2011

Coordinator 3G Third Semester Design Studio 2004 - 2008

Coordinator Undergraduate Construction II 2007 - 2010

Coordinator Undergraduate Construction I 2006 - 2007

Recognition of Student Work

Alumni Award for Undergraduate Design Studio: Remember Sammy Jankis 2005

Wallenberg Student Finalists - Lindsay Wai, Adam Fure 2003

Digital Heartland Exhibit -included work of Lindsay Wai and Adam Fure ACADIA National Conference 2003

Wallenberg Student Honorable Mention - Andrea Righi 2002

Alumni Award for Graduate Options Studio: Daly Genik Daubmann Studio 2001

Citation of Student Work

Chance, S., Marshall, J., Duffy, G. "Using Architecture Design Studio Pedagogies to Enhance Engineering Education*". **The International Journal of Engineering Education** Volume 32 Number 1(B) ISSN 0949-149X [SmartSurfaces] 2016

Chance, S., Marshall, J., Duffy, G. "Using Design Studio Pedagogy to Enhance Engineering Education". Prepared for a special issue of **International Journal of Engineering Education on Innovative Teaching Methods**. In press. [SmartSurfaces] 2014

Kalo, A., Newsum, J. "An Investigation of Robotic Incremental Sheet Metal Forming as a Method for Prototyping Parametric Architectural Skins". **Robotic Fabrication in Architecture, Art and Design 2014**. [MS_DT Capstone Student Work] 2014

Marshall, J. "Learning Outcomes from an Art-Engineering Co-curricular Course". **Proceedings of the 120th Annual Conference of the American Society for Engineering Education**. [SmartSurfaces] 2014

Yuen, Robert. "Casting Unpredictability" (video presentation) at Rob \ Arch 2012 [MS_DT Capstone Student Work] 2012

Marshall, J. "Using Problem-Based Learning to Foster Student Development" - presentation at the **4th Annual Conference on Higher Education Pedagogy** at Virginia Tech. [SmartSurfaces] 2012

Marshall, J. "Learning Outcomes from a Multidisciplinary, Hands-On, Think Tank" - presentation at **28th National Conference on the Beginning Design Student** at State College, Pennsylvania. [SmartSurfaces] 2012

Service - Lawrence Technological University

Search Committee for Head Football Coach, **Member** 2016

Strategic Planning Committee, **Member** 2016 - present

East Residence Hall Oversight Committee, **Member** 2016

Technology Learning and Teaching Award, **Jury Member** 2016 - present

Affleck House Restoration Committee, **Member** 2016 - present

Service - Architecture Program (Taubman College)

Educational Programming Committee, **Member** 2014/2015

Fellowship Search Committee, **Chair** (five faculty hires) 2009

Digital Fabrication Lab, **Faculty Coordinator** 2003 - 2008

Graduate Admissions Committee, **Member** yearly

Ad Hoc NAAB Accreditation Visit Committee, **Member** 2007

Fellowship Search Committee, **Member** 2001 - 2002

Service - Taubman College

Executive Committee, **Member** 2014 - 2015 (reduced term due to transition to assoc dean)
Technology Committee 2013 - 2015
Ad hoc Search Committee for Opportunity Hire, **Chair** 2014
Search Committee for Architecture Chair, **Member** 2013
Faculty Search Committee (charged to hire 5 tenure track positions), **Chair** 2013
Faculty Interim Review Committee, **Chair** 2009
Executive Committee, **Member** 2009 - 2011
Lectures and Exhibition Committee, **Member** 2008
Computer Policy Committee, **Member** 2000 - 2007

Service - University of Michigan

Provost's Taskforce on Engaged Learning, **Member** 2014
Office of the Vice President for Research, **Research Proposal Reviewer** 2012
Arboretum and Botanical Gardens, **Faculty Associate** 2011
Arts Engine Transdisciplinary Collaborations, **Faculty Associate** 2011
Arts and the Environment, **Team Co-Leader** 2008
Office of the Vice President for Research, **Proposal Reviewer** 2003
CARAT / Rackham Fellowship Review Committee, **Member** 2002

Academic Service

External Program Reviewer: Industrial Design University Arts Philadelphia
Tenure External Review: University of California Berkeley, Rensselaer Polytechnic Institute, Georgia Tech, Temple University, University of Texas at Austin.
Reappointment External Review: Carnegie Mellon University, University of NC Charlotte

Paper Reviewer

Acadia National Conference - Paper and Project Peer Reviewer 2015
Journal of Architectural Education (JAE) 1:1 2006
ACADIA National Conference - Paper Peer Reviewer 2003 - 2004
ACSA National Conference - Digital Media Section 2003

Community Service

Visual Artists Representative, American Academy in Rome 2015 - 2016
Public Art Selection Committee, City of Ann Arbor 2011